

Product Information

MemDX™ Membrane Protein Human IGF1R (Insulin like growth factor 1 receptor) for Antibody Discovery

Cat. No.: **MP0700J**

This product is for research use only and is not intended for diagnostic use.

This product is a 81 kDa Human IGF1R membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

IGF1R

Protein Length

Full-length

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

81 kDa

TMD

1

Sequence

MKSGSGGGSPSTLWGLLFLSAALSLWPTSGEICGPGIDIRNDYQQLKRLNCTVIEGYLHILLISKAEDY
RSYRFPKLTVITEYLLLFRVAGLESGLDFPNLTVIRGWKLFYNYALVIFEMTNLKDIGLYNLRNITRGA
IRIEKNADLCYLSTVDWSLILDVSNYYIVGNKPPKECGDLCPGTMECKPMCEKTTINNEYNYRCWTTNR
CQKMCPSTCGKRACTENNECCHPECLGSCSAPDNDTACVACRHHYAGVCVPACPPNTYRFEGWRCVDRD
FCANILSAESSDSEGFVIHDGECMQECPSGFIRNGSQSMYCIPCEGPCPKVCEEEKTKTIDSVTSAQML
QGCTIFKGNLLINIRRGNNIASELENFMGLIEVVTGYVKIRHSHALVSLSFLKNLRLILGEEQLEGNYSF
YVLDNQNLQQLWDWDHRLNTIKAGKMYFAFNPKLCVSEIYRMEEVTGKGRQSKGDINTRNNGERASCES
DVLHFTSTTTSKNRITWHRYRPPDYRDLISFTVYYYKEAPFKNVTEYDGGDACGSNSWNMVDVLDPPNK
DVEPGILLHGLKPWTQYAVYVKAVTLTMVENDHIRGAKSEILYIRTNASVPSIPLDVLSASNSSSQLIVK
WNPPSLPNGNLSYYIVRWQRQPQDGYLYRHNYCSKDKIPIRKYADGTIDIEEV TENPKTEVCGGEKGPCC
ACPKTEAEKQAEKEEAERYKVFENFLHNSIFVPRPERKRRDVMQVANTTMSSRSRNTTAADTYNITDPEE
LETEYPFFESRVDNKERTVISNLRPFTLYRIDIHSCNHEAEKLGCSASN FVFARTMPAEGADDIPGPVTW
EPRPENSIFLKWPEPENPNGLILMYEIKYGSQVEDQRECVRQEYRKYGGA KLNR LNPGNYTARIQATSL
SGNGSWTDPVFFYVQAKTGYENFIHLIALPVAVLLIVGGLVIMLYVFHRKRNSRLGNGVLYASVNPEY
FSAADVVPDEWEVAREKITMSRELQGSFGMVYEGVAKGVVKDEPETRVAIKTVNEAASMRERIEFLNE
ASVMKEFNCHHVRLGLVVSQGPPTLVIMELMTRGDLKSYLRSLRPEMENN PVLAPP SL SKMIQMAGEIA
DGMAYLNANKFVHRDLAARNCMVAEDFTVKIGDFGMTRDIYETDYRKGGKGLLPVRWMSPELKDGVFT
TYSDVWSFGVVLWEIATLAEQPYQGLSNEQVLR FVMEGGLLDKPDNCPDMLFELMRMCWQYNPKMRPSFL
EIISSIKEEMEPGFREVSYFYSEENKLPEPEELDLEPENMESVPLDPSASSSSSLPDRHSGHKAENGP

PGVLVLRASFDERQPYAHMNGGRKNERALPLPQSSTC

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

IGF1R

Full Name

Insulin like growth factor 1 receptor

Introduction

This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Alternative Names

IGFR; CD221; IGFIR; JTK13

Gene ID

[3480](#)

UniProt ID

[P08069](#)